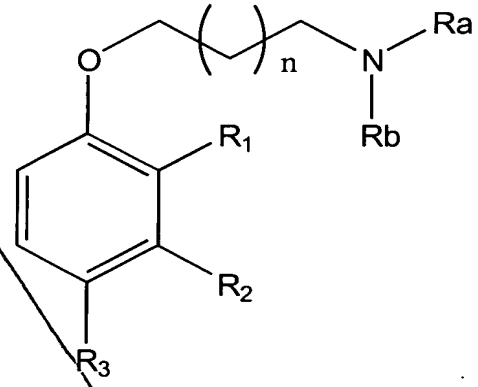
CLAIMS

1. A compound of formula (I):



wherein R_a and R_b are independently C_{1-8} alkyl, C_{3-8} alkenyl, C_{3-8} cycloalkyl,

(C_{3-8} cycloalkyl) C_{1-6} alkyl, or taken together with the nitrogen to which they are attached form a 4-7 membered heterocyclyl optionally including up to 3 additional heteroatoms;

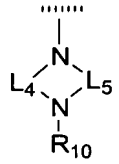
n is 0-4;

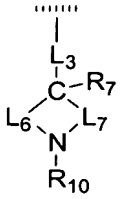
one of R_1, R_2, and R_3 is G, and the remaining two are hydrogen or halo;

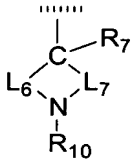
G is a nitrogen-containing group selected from one of the following:

$-OL_1Q$, $-L_2Q$, $-N(L_1Q)R_5$, $-L_3C(L_1Q)R_6R_7$, $-C(L_1Q)R_6R_7$,

Sub A1 Cont.


(i)


(ii)


(iii)

wherein:

L_1 is C_{2-6} alkylene, C_{3-8} cycloalkylene, C_{4-6} alkenylene, C_{4-6} alkynylene, C_{2-5} alkanoyl, (phenyl)C_{1-6} alkylene, (naphthyl)C_{1-6} alkylene, (C_{2-5} heteroaryl)C_{1-6} alkylene, (phenoxy)C_{1-6} alkylene, or (C_{2-5} heteroaryloxy)C_{1-6} alkylene;

L_2 is C_{1-6} alkylene, C_{3-8} cycloalkylene, C_{3-6} alkenylene, C_{3-6} alkynylene, C_{2-5} alkanoyl, (phenyl)C_{1-6} alkylene, (naphthyl)C_{1-6} alkylene, (C_{1-5} heteroaryl)C_{1-6} alkylene, (phenoxy)C_{1-6} alkylene, (C_{1-5} heteroaryloxy)C_{1-6} alkylene, or (C_{1-5} heteroarylthio)C_{1-6} alkylene;

L_3 is C_{1-6} alkylene, C_{2-6} alkenylene, C_{2-6} alkynylene, C_{2-5} alkanoyl, (phenyl)C_{1-6} alkylene, phenyl, naphthyl, (naphthyl)C_{1-6} alkylene, C_{1-5} heteroaryl)C_{1-6} alkylene, (phenoxy)C_{1-6} alkylene, (C_{1-5} heteroaryloxy)C_{1-6} alkylene, or C_{2-5} heteroaryl;

L_4 is C_{1-5} alkylene;

L_5 is C_{1-5} alkylene;

L_6 is C_{1-5} alkylene;

L_7 is C_{1-5} alkylene or absent;

Q is $-NR_8R_9$ or a non-aromatic C_{2-15} heterocyclyl ring system containing at least one nitrogen atom and optionally between 1 and 3 additional heteroatoms selected from O, S, and N in each ring;

each of R_5 and R_6 is independently selected from hydrogen, C_{1-8} alkyl, C_{2-8} alkenyl, C_{3-7} cycloalkyl, $(C_{3-7}$ cycloalkyl$)C_{1-6}$ alkylene, C_{2-15} heterocyclyl, and $(C_{2-7}$ heterocyclyl$)C_{1-6}$ alkylene;

R_7 is H, hydroxyl, halo, C_{2-6} alkoxy or absent where the carbon linking L_6 and L_7 (or bonded to R_6) participates in a double bond;

each of R_8 and R_9 is independently selected from hydrogen, C_{1-8} alkyl, C_{3-8} alkenyl, C_{3-7} cycloalkyl, $(C_{3-7}$ cycloalkyl$)C_{1-6}$ alkylene, C_{2-15} heterocyclyl, phenyl, $(C_{2-15}$ heterocyclyl$)C_{1-6}$ alkylene, and (phenyl) C_{1-6} alkylene;

R_{10} is H, C_{1-8} alkyl, C_{3-8} alkenyl, C_{3-7} cycloalkyl, $(C_{3-7}$ cycloalkyl$)C_{1-6}$ alkylene, $(C_{2-15}$ heterocyclyl$)C_{1-6}$ alkylene, or (phenyl) C_{1-6} alkylene;

wherein each of the above alkyl, alkylene, alkenyl, alkenylene, alkynyl, alkynylene, heterocyclyl, cycloalkyl, and aryl groups may each be independently and optionally substituted with between 1 and 3 substituents selected from halo, amino, nitro, hydroxyl, and C_{1-3} alkyl;

wherein substituents of Q can be further selected from carboxamide, C_{2-6} alkyl, C_{1-8} heterocyclyl, $N(C_{1-6}$ alkyl$)(C_{1-8}$ heterocyclyl), $NH(C_{1-8}$ heterocyclyl), $(C_{1-8}$ heterocyclyl$)$ C_{1-3} alkylene, $O(C_{1-8}$ heterocyclyl$)$, C_{1-6} alkoxy, $(\text{phenyl})C_{3-6}$ cycloalkyl-O-, phenyl, (phenyl) C_{1-3} alkylene, $N(C_{1-6}$

alkyl)[(phenyl)C_{1-3} alkylene], and (phenyl)C_{1-3} alkylene-O- where each of above heterocyclyl, phenyl, and alkyl groups may be optionally substituted with from 1 to 3 substituents independently selected from halogen, nitro, cyano, and C_{1-3} alkyl;

or a pharmaceutically acceptable salt, ester, or amide thereof.

2. A compound of claim 1, wherein NR_aR_b taken together form piperidyl, methylpiperidyl, dimethylamino, pyrrolidinyl, diethylamino, methylethylamino, ethylpropylamino, or dipropylamino.

3. A compound of claim 2, wherein NR_aR_b taken together form piperidyl, pyrrolidinyl, or diethylamino.

4. A compound of claim 3, wherein NR_aR_b taken together form piperidyl or pyrrolidinyl.

5. A compound of claim 1, wherein one of R_2 and R_3 is G.

6. A compound of claim 5, wherein R_2 is G.

7. A compound of claim 5, wherein R_3 is G.

8. A compound of claim 1, wherein n is between 1 and 4, inclusive.

9. A compound of claim 8, wherein n is 1.

10. A compound of claim 1, wherein L_1 is C_{2-3} alkylene.

11. A compound of claim 1, wherein L_2 is C $_{1-6}$ alkylene, (C $_{1-5}$ heteroaryl)C $_{1-6}$ alkylene, or -phenyl-C $_{1-6}$ alkylene.

12. A compound of claim 11, wherein L_2 is methylene.

13. A compound of claim 1, wherein L_3 is ethylene, vinylene, ethynylene, and phenylene.

14. A compound of claim 1, wherein Q is a non-aromatic nitrogen-containing C $_{2-5}$ heterocyclyl.

15. A compound of claim 14, wherein Q is selected from piperidyl, N-(C $_{1-6}$ alkyl)piperazinyl, piperazinyl, pyrrolinyl, pyrrolidinyl, and morpholinyl.

16. A compound of claim 14, wherein Q is N-morpholinyl or N-piperidinyl, optionally substituted with between 1 and 3 substituents selected from hydroxyl, carboxamide, C_{1-6} alkyl, C_{1-8} heterocyclyl, N(C_{1-6} alkyl)(C_{1-8} heterocyclyl), NH(C_{1-8} heterocyclyl), (C_{1-8} heterocyclyl)C_{1-3} alkylene, C_{1-8} heterocyclyl-O-, C_{1-6} alkoxy, (C_{3-6} cycloalkyl)-O-, phenyl, (phenyl)C_{1-3} alkylene, N(C_{1-6} alkyl)[(phenyl)C_{1-3} alkylene, and (phenyl)C_{1-3} alkylene-O- where each of above heterocyclyl, phenyl, and alkyl groups may be optionally substituted with from 1 to 3 substituents independently selected from halogen, nitro, cyano, and C_{1-3} alkyl.

17. A compound of claim 16, wherein Q is substituted with a substituent comprising a C_{1-6} heterocyclyl group selected from: pyridyl, pyrimidyl, furyl, thiofuryl, imidazolyl, (imidazolyl)C_{1-6} alkylene, oxazolyl, thiazolyl, 2,3-dihydro-indolyl, benzimidazolyl, 2-oxobenzimidazolyl,

(tetrazolyl)C_{1-6} alkylene, tetrazolyl, (triazolyl)C_{1-6} alkylene, triazolyl, (pyrrolyl)C_{1-6} alkylene, and pyrrolyl.

18. A compound of claim 17, wherein Q is a substituted or unsubstituted N-morpholinyl.

19. A compound of claim 1, wherein Q is NR_8R_9 wherein each of R_8 or R_9 is independently selected from hydrogen, C_{1-8} alkyl, C_{3-8} alkenyl, C_{3-7} cycloalkyl, (C_{3-7} cycloalkyl)C_{1-6} alkylene, C_{2-5} heterocyclyl, phenyl, (C_{2-5} heterocyclyl)C_{1-6} alkylene, and (phenyl) C_{1-6} alkylene.

20. A compound of claim 19, wherein one of R_8 and R_9 is hydrogen.

21. A compound of claim 20, wherein R_8 is H and R_9 is phenyl or aromatic C_{1-8} heterocyclyl optionally substituted with 1-3 substituents selected from halo, nitro, cyano, and C_{1-3} alkyl.

22. A compound of claim 21, wherein R_9 is phenyl, pyridyl, pyrimidyl, furyl, thiofuryl, imidazolyl, (imidazolyl)C_{1-6} alkylene, oxazolyl, thiazolyl, 2,3-dihydro-indolyl, benzimidazolyl, 2-oxobenzimidazolyl, (tetrazolyl)C_{1-6} alkylene, tetrazolyl, (triazolyl)C_{1-6} alkylene, triazolyl, (pyrrolyl)C_{1-6} alkylene, and pyrrolyl.

23. A compound of claim 20, wherein NR_aR_b taken together form piperidyl, methylpiperidyl, dimethylamino, pyrrolidinyl, diethylamino, methylethylamino, ethylpropylamino, or dipropylamino.

24. A compound of claim 22, wherein NR_aR_b taken together form piperidyl, pyrrolidinyl, or diethylamino.

25. A compound of claim 20, wherein n is 1.

26. A compound of claim 1, wherein G is selected from:
(4) formula (i) wherein L_4 and L_5 are independently selected from C_{2-3} alkylene,
(5) formula (iii) wherein L_6 is C_{2-3} alkylene and L_7 is C_{2-3} alkylene or absent,
(6) L_2Q wherein L_2 is C_{1-6} alkylene, phenyl C_{1-4} alkylene, or (aromatic C_{1-5} heterocyclyl)C_{1-4} alkylene, and
(7) OL_1Q wherein L_1 is C_{2-3} alkylene.

27. A compound of claim 26, wherein G is selected from:
(8) formula (i) wherein L_4 and L_5 are each C_2 alkylene,
(9) formula (iii) wherein each of L_6 and L_7 is C_2 alkylene, and
(10) L_2Q wherein L_2 is methylene.

28. A compound of claim 27, wherein G is L_2Q.

29. A compound of claim 26, wherein R_{10} is H, branched C_{3-6} alkyl, or benzyl.

30. A compound of claim 29, wherein R_{10} is isopropyl or benzyl.

31. A compound of claim 26, wherein Q is a non-aromatic C_{2-5} heterocyclyl.

32. A compound of claim 31, wherein Q is selected from piperidyl, N-(C_{1-6} alkyl)piperazinyl, piperazinyl, pyrrolinyl, pyrrolidinyl, and morpholinyl.

33. A compound of claim 27, wherein Q is a non-aromatic C_{2-5} heterocyclyl.

34. A compound of claim 33, wherein Q is selected from piperidyl, N-(C_{1-6} alkyl)piperazinyl, piperazinyl, pyrrolinyl, pyrrolidinyl, and morpholinyl.

35. A compound of claim 34, wherein Q is selected from piperidyl, N-(C_{1-6} alkyl)piperazinyl, piperazinyl, pyrrolinyl, pyrrolidinyl, and morpholinyl.

36. A compound of claim 28, wherein NR_aR_b taken together form piperidyl, pyrrolidinyl, or diethylamino.

37. A compound of claim 26, wherein n is 1.

38. A compound of claim 25 , wherein R_7 is hydroxyl, halo, or absent where one of L_6 and L_7 provides a double bond to the carbon atom to which R_6 and R_7 are attached.

39. A compound of claim 19, selected from: Methyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-(2-pyridin-2-yl-ethyl)-amine, Benzyl-methyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, Methyl-(1-methyl-piperidin-4-yl)-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, Ethyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-pyridin-4-ylmethyl-amine, [2-(3,4-Dimethoxy-phenyl)-ethyl]-methyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, Methyl-phenethyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, Dimethyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, Dimethyl-{2-[4-(3-piperidin-1-yl-propoxy)-phenoxy]-ethyl}-amine, Methyl-phenethyl-[3-(3-piperidin-1-yl-

propoxy)-benzyl]-amine, and Dibenzyl-(3-{2-[4-(3-piperidin-1-yl-propoxy)-phenyl]-pyrrol-1-yl}-propyl)-amine.

40. A compound of claim 19, selected from: Indan-1-yl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, Cyclohexyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, Cyclopropyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, Pyridin-2-yl-[4-(3-pyrrolidin-1-yl-propoxy)-benzyl]-amine, [4-(3-Piperidin-1-yl-propoxy)-benzyl]-pyridin-2-yl-amine, Phenyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, [3-(3-Piperidin-1-yl-propoxy)-benzyl]-pyridin-2-yl-amine, (4-Chloro-phenyl)-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, and (4-Chloro-phenyl)-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine.

41. A compound of claim 1, selected from: 4-[3-(3-Piperidin-1-ylmethyl-phenoxy)-propyl]-morpholine, 1-[3-(4-Piperidin-1-ylmethyl-phenoxy)-propyl]-piperidine, Benzyl-methyl-{1-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperidin-4-yl}-amine, 1-[3-(4-Piperidin-1-ylmethyl-phenoxy)-propyl]-decadeuterio-piperidine, 1-(3-{4-[5-(3-Piperidin-1-yl-propylsulfanyl)-tetrazol-1-yl]-phenoxy}-propyl)-piperidine, 1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-piperidin-4-ol, 4-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-morpholine, 2-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-1,2,3,4-tetrahydro-isoquinoline, {1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-piperidin-4-yl}-pyridin-2-yl-amine, 1-Benzyl-4-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperazine, Indan-1-yl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, Cyclohexyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, Cyclopropyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, 8-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-1,4-dioxa-8-aza-spiro[4.5]decane, 1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-piperidine-4-carboxylic acid amide, Methyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-(2-pyridin-2-yl-ethyl)-

amine, Benzyl-methyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, 4-Phenyl-1-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperidin-4-ol, 1-Phenyl-4-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperazine, Methyl-phenethyl-{1-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperidin-4-yl}-amine, 2-Methyl-1-[3-(4-piperidin-1-ylmethyl-phenoxy)-propyl]-piperidine, Methyl-(1-methyl-piperidin-4-yl)-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, {1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-piperidin-4-yl}-pyridin-2-yl-(2-pyrrolidin-1-yl-ethyl)-amine, 2-{1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-piperidin-4-yl}-ethanol, 1-[3-(4-Pyrrolidin-1-ylmethyl-phenoxy)-propyl]-piperidine, 1-{3-[4-(4-Benzylidene-piperidin-1-ylmethyl)-phenoxy]-propyl}-piperidine, Ethyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-pyridin-4-ylmethyl-amine, 1-{3-[4-(4-Benzyl-piperidin-1-ylmethyl)-phenoxy]-propyl}-piperidine, 2-(4-Chloro-phenyl)-5-[4-(3-piperidin-1-yl-propoxy)-benzyl]-2,5-diaza-bicyclo[2.2.1]heptane, 1-[3-(2'-Piperidin-1-ylmethyl-biphenyl-4-yloxy)-propyl]-piperidine, 1-{1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-piperidin-4-yl}-1,3-dihydro-benzoimidazol-2-one,1-(3-{4-[1-(3-Piperidin-1-yl-propyl)-1H-pyrrol-2-yl]-phenoxy}-propyl)-piperidine.

42. A compound of claim 1, selected from: 1-(3-Phenyl-allyl)-4-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperazine, [2-(3,4-Dimethoxy-phenyl)-ethyl]-methyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, Methyl-phenethyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, 1-{3-[3-(4-Benzylidene-piperidin-1-ylmethyl)-phenoxy]-propyl}-piperidine, 4-(4-Chloro-phenyl)-1-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperidin-4-ol, 1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-4-(3-phenyl-propyl)-piperidine, Dimethyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, 1-{1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-piperidin-4-yl}-1H-benzoimidazole, 1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-1,2,3,4,5,6-hexahydro-[2,3']bipyridinyl, 1-{1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-piperidin-4-

yl}-2,3-dihydro-1H-indole, 1-Isopropyl-4-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperazine, 1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-azacyclotridecane, 1-Methyl-4-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperazine, 5-Bromo-1-{1-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperidin-4-yl}-2,3-dihydro-1H-indole, Methyl-phenethyl-[3-(3-piperidin-1-yl-propoxy)-benzyl]-amine, 2-{1-[3-(4-Piperidin-1-ylmethyl-phenoxy)-propyl]-piperidin-2-yl}-ethanol, 4-[3-(4-Piperidin-1-ylmethyl-phenoxy)-propyl]-morpholine, 2-[4-(2-Piperidin-1-yl-ethoxy)-benzyl]-1,2,3,4-tetrahydro-isoquinoline, Pyridin-2-yl-[4-(3-pyrrolidin-1-yl-propoxy)-benzyl]-amine, 1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-1,2,3,4-tetrahydro-quinoline, [4-(3-Piperidin-1-yl-propoxy)-benzyl]-pyridin-2-yl-amine, 1-[2-(4-Piperidin-1-ylmethyl-phenoxy)-ethyl]-piperidine, Dibenzyl-(3-{2-[4-(3-piperidin-1-yl-propoxy)-phenyl]-pyrrol-1-yl}-propyl)-amine, Dimethyl-[3-(4-piperidin-1-ylmethyl-phenoxy)-propyl]-amine, Phenyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, [3-(3-Piperidin-1-yl-propoxy)-benzyl]-pyridin-2-yl-amine, 5-(3-Piperidin-1-yl-propoxy)-2-[4-(3-piperidin-1-yl-propoxy)-phenyl]-pyrimidine, (4-Chloro-phenyl)-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, 1-Methyl-4-[3-(4-piperidin-1-ylmethyl-phenoxy)-propyl]-piperazine, 1-[4-(2-Piperidin-1-yl-ethoxy)-benzyl]-1,2,3,4-tetrahydro-quinoline, (4-Chloro-phenyl)-[3-(3-piperidin-1-yl-propoxy)-benzyl]-amine.

43. A compound of claim 1, selected from: 4-[3-(3-Piperidin-1-ylmethyl-phenoxy)-propyl]-morpholine, 1-[3-(4-Piperidin-1-ylmethyl-phenoxy)-propyl]-piperidine, Benzyl-methyl-{1-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperidin-4-yl}-amine, 1-[3-(4-Piperidin-1-ylmethyl-phenoxy)-propyl]-decadeuterio-piperidine, 1-(3-{4-[5-(3-Piperidin-1-yl-propylsulfanyl)-tetrazol-1-yl]-phenoxy}-propyl)-piperidine, 1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-piperidin-4-ol, 4-[4-(3-Piperidin-1-yl-

propoxy)-benzyl]-morpholine, 2-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-1,2,3,4-tetrahydro-isoquinoline, {1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-piperidin-4-yl}-pyridin-2-yl-amine, 1-Benzyl-4-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperazine, Indan-1-yl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, Cyclohexyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, Cyclopropyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, 8-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-1,4-dioxa-8-aza-spiro[4.5]decane, 1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-piperidine-4-carboxylic acid amide, Methyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-(2-pyridin-2-yl-ethyl)-amine, Benzyl-methyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, 4-Phenyl-1-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperidin-4-ol, 1-Phenyl-4-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperazine, Methyl-phenethyl-{1-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperidin-4-yl}-amine, 2-Methyl-1-[3-(4-piperidin-1-ylmethyl-phenoxy)-propyl]-piperidine, Methyl-(1-methyl-piperidin-4-yl)-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, {1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-piperidin-4-yl}-pyridin-2-yl-(2-pyrrolidin-1-yl-ethyl)-amine, 2-{1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-piperidin-4-yl}-ethanol, 1-[3-(4-Pyrrolidin-1-ylmethyl-phenoxy)-propyl]-piperidine, 1-{3-[4-(4-Benzylidene-piperidin-1-ylmethyl)-phenoxy]-propyl}-piperidine, and Ethyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-pyridin-4-ylmethyl-amine.

44. A compound of claim 1, selected from: 1-{3-[4-(4-Benzyl-piperidin-1-ylmethyl)-phenoxy]-propyl}-piperidine, 2-(4-Chloro-phenyl)-5-[4-(3-piperidin-1-yl-propoxy)-benzyl]-2,5-diaza-bicyclo[2.2.1]heptane, 1-[3-(2'-Piperidin-1-ylmethyl-biphenyl-4-yloxy)-propyl]-piperidine, 1-{1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-piperidin-4-yl}-1,3-dihydro-benzoimidazol-2-one,1-(3-{4-[1-(3-Piperidin-1-yl-propyl)-1H-pyrrol-2-yl]-phenoxy}-propyl)-piperidine, 1-(3-Phenyl-allyl)-4-[4-(3-piperidin-1-yl-

propoxy)-benzyl]-piperazine, [2-(3,4-Dimethoxy-phenyl)-ethyl]-methyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, Methyl-phenethyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, 1-{3-[3-(4-Benzylidene-piperidin-1-ylmethyl)-phenoxy]-propyl}-piperidine, 4-(4-Chloro-phenyl)-1-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperidin-4-ol, 1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-4-(3-phenyl-propyl)-piperidine, Dimethyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, 1-{1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-piperidin-4-yl}-1H-benzoimidazole, 1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-1,2,3,4,5,6-hexahydro-[2,3']bipyridinyl, 1-{1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-piperidin-4-yl}-2,3-dihydro-1H-indole, 1-Isopropyl-4-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperazine, 1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-azacyclotridecane, 1-Methyl-4-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperazine, 5-Bromo-1-{1-[4-(3-piperidin-1-yl-propoxy)-benzyl]-piperidin-4-yl}-2,3-dihydro-1H-indole, Methyl-phenethyl-[3-(3-piperidin-1-yl-propoxy)-benzyl]-amine, 2-{1-[3-(4-Piperidin-1-ylmethyl-phenoxy)-propyl]-piperidin-2-yl}-ethanol, 4-[3-(4-Piperidin-1-ylmethyl-phenoxy)-propyl]-morpholine, 2-[4-(2-Piperidin-1-yl-ethoxy)-benzyl]-1,2,3,4-tetrahydro-isoquinoline, Pyridin-2-yl-[4-(3-pyrrolidin-1-yl-propoxy)-benzyl]-amine, 1-[4-(3-Piperidin-1-yl-propoxy)-benzyl]-1,2,3,4-tetrahydro-quinoline, [4-(3-Piperidin-1-yl-propoxy)-benzyl]-pyridin-2-yl-amine, 1-[2-(4-Piperidin-1-ylmethyl-phenoxy)-ethyl]-piperidine, Dibenzyl-(3-{2-[4-(3-piperidin-1-yl-propoxy)-phenyl]-pyrrol-1-yl}-propyl)-amine, Dimethyl-[3-(4-piperidin-1-ylmethyl-phenoxy)-propyl]-amine, Phenyl-[4-(3-piperidin-1-yl-propoxy)-benzyl]-amine, and [3-(3-Piperidin-1-yl-propoxy)-benzyl]-pyridin-2-yl-amine.

45. A compound of claim 1, selected from: 1-Isopropyl-4-[4-(3-piperidin-1-yl-propoxy)-phenyl]-piperazine, 1-[4-(3-Piperidin-1-yl-propoxy)-phenyl]-piperazine hydrochloride, 1-Benzyl-4-[4-(3-pyrrolidin-1-yl-propoxy)-

phenyl]-piperazine, 1-[4-(3-Pyrrolidin-1-yl-propoxy)-phenyl]-piperazine hydrochloride, and 1-Benzyl-4-[4-(3-piperidin-1-yl-propoxy)-phenyl]-piperazine.

46. A compound of claim 26, selected from: 1-[4-(3-Piperidin-1-yl-propoxy)-phenyl]-piperazine, 1-Isopropyl-4-[4-(3-piperidin-1-yl-propoxy)-phenyl]-piperazine, 1-Benzyl-4-[4-(3-pyrrolidin-1-yl-propoxy)-phenyl]-piperazine, and 1-[4-(3-Pyrrolidin-1-yl-propoxy)-phenyl]-piperazine.

47. A compound of claim 1, selected from: 1-{3-[2'-(1-Isopropyl-piperidin-4-yl)-biphenyl-4-yloxy]-propyl}-piperidine, 1-(3-{4-[2-(1-Methyl-pyrrolidin-2-yl)-ethyl]-phenoxy}-propyl)-piperidine, and 1-{3-[4-(1-Isopropyl-piperidin-4-ylmethyl)-phenoxy]-propyl}-piperidine.

48. A compound of claim 1, selected from: 1-{3-[4-(1-Methyl-pyrrolidin-2-yl)-phenoxy]-propyl}-piperidine, 1-Benzyl-4-[4-(3-piperidin-1-yl-propoxy)-phenyl]-piperidin-4-ol, and 1-Isopropyl-4-[4-(3-piperidin-1-yl-propoxy)-phenyl]-piperidin-4-ol.

49. A compound of claim 26, selected from: 1-{3-[4-(1-Methyl-pyrrolidin-2-yl)-phenoxy]-propyl}-piperidine, and 1-Benzyl-4-[4-(3-piperidin-1-yl-propoxy)-phenyl]-piperidin-4-ol.

50. A compound of claim 1, selected from: {3-Furan-2-yl-3-[4-(3-piperidin-1-yl-propoxy)-phenyl]-propyl}-dimethyl-amine, 4-{3-[4-(3-Piperidin-1-yl-propoxy)-phenyl]-3-pyrimidin-2-yl-propyl}-morpholine , 4-{4,4,4-Trifluoro-3-[4-(3-piperidin-1-yl-propoxy)-phenyl]-butyl}-morpholine, and 4-{4,4,4-Trifluoro-3-[4-(3-piperidin-1-yl-propoxy)-phenyl]-butyl}-morpholine.

51. A compound of claim 1, selected from: (2-Morpholin-4-yl-ethyl)-[4-(3-piperidin-1-yl-propoxy)-phenyl]-pyridin-2-yl-amine , Isopropyl-(2-morpholin-4-yl-ethyl)-[4-(3-piperidin-1-yl-propoxy)-phenyl]-amine, and (2-Morpholin-4-yl-ethyl)-[4-(3-piperidin-1-yl-propoxy)-phenyl]-thiazol-2-ylmethyl-amine.

52. A pharmaceutical composition comprising a compound of claim 1, 26, 27, 41, 44 or 47, and a pharmaceutically-acceptable excipient.

53. A compound of claim 1, 26, 27, or 41, isotopically-labelled to be detectable by PET or SPECT.

54. A method of inhibiting histamine H_3 receptor activity in a subject, comprising administering an effective amount of a compound of claim 1, 26, 27, or 41 to a subject in need of such inhibition of histamine H_3 receptor activity.

55. A method of treating a subject having a disease or condition modulated by histamine H_3 receptor activity, comprising administering to the subject a therapeutically effective amount of a compound of claim 1, 26, 27, or 41.

56. A method of claim 55, wherein said disease or condition is selected from the group consisting of sleep/wake disorders, arousal/vigilance disorders, migraine, asthma, dementia, mild cognitive impairment (pre-dementia), Alzheimer's disease, epilepsy, narcolepsy, eating disorders, motion sickness, vertigo, attention deficit hyperactivity disorders,

learning disorders, memory retention disorders, schizophrenia, nasal congestion, allergic rhinitis, and upper airway allergic response.

57. A method for treating a disease or condition modulated by at least one receptor selected from the histamine H_1 receptor and the histamine H_3 receptor, said method comprising (a) administering to a subject a jointly effective amount of a histamine H_1 receptor antagonist compound, and (b) administering to the subject a jointly effective amount of a compound of claim 1, 26, 27, or 41, said method providing a jointly therapeutically effective amount of said compounds.

58. The method of claim 57 wherein the histamine H_1 receptor antagonist and the compound of claim 1, 26, 27, or 41 are present in the same dosage form.

59. A method for treating diseases or conditions modulated by at least one receptor selected from the histamine H_2 receptor and the histamine H_3 receptor in a subject, comprising (a) administering to the subject a jointly effective amount of a histamine H_2 receptor antagonist compound, and (b) administering to the subject a jointly effective amount of a compound of claim 1, 26, 27, or 41, said method providing a jointly therapeutically effective amount of said compounds.

60. The method of claim 59 wherein the histamine H_2 receptor antagonist and the compound of claim 1, 26, 27, or 41 are present in the same dosage form.

61. A method for treating one or more disorders or conditions selected from the group consisting of sleep/wake disorders, narcolepsy, and

arousal/vigilance disorders, comprising administering to a subject a therapeutically effective amount of a compound of claim 1, 26, 27, or 41.

62. A method for treating attention deficit hyperactivity disorders (ADHD), comprising administering to a subject a therapeutically effective amount of a compound of claim 1, 26, 27, or 41.

63. A method for treating one or more disorders or conditions selected from the group consisting of dementia, mild cognitive impairment (pre-dementia), cognitive dysfunction, schizophrenia, depression, manic disorders, bipolar disorders, and learning and memory disorders, comprising administering to a subject a therapeutically effective amount of a compound of claim 1, 26, 27, or 41.

64. A method for treating or preventing upper airway allergic response, nasal congestion, or allergic rhinitis, comprising administering to a subject a therapeutically effective amount of a compound of claim 1, 26, 27, or 41.

65. A method for studying disorders mediated by the histamine H_3 receptor, comprising using an ^{18}F-labeled compound of claim 1 as a positron emission tomography (PET) molecular probe.